## Climatic Atlas

The National Atlas of the United States is a series of map sheets showing economic, physical, and cultural information about the Nation. The U.S. Weather Bureau is gradually preparing climatic atlas sheets which are an integral part of the National Atlas. Each sheet is issued separately and is 16 x 22 inches unless otherwise indicated. Many public libraries are obtaining these sheets as published, or the librarian can arrange an interlibrary loan. The map sheets can also be purchased at 10 cents per

sheet from the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C. Checks or money orders should be made payable to "Superintendent of Documents."

As new sheets are issued, they are listed by the Superintendent of Documents in his "Monthly Catalog of United States Government Publications." They will be listed in this publication, also. The following are available:

Maximum Persisting 12-Hour 1000-mb. Dew Points (° F.), Monthly and of Record.

Mean Annual Precipitation in Millions of Gallons of Water Per Square Mile by State Climatic Division, and Mean Annual Precipitation in Millions of Gallons of Water Per Capita (by State climatic divisions). Back to back.

Mean Annual Total Precipitation (in.), and graphs of Mean Monthly Total Precipitation for Selected Stations. Back to back.

Mean Annual Total Precipitation (in.) by State Climatic Divisions, and graphs of Mean Monthly Total Precipitation for Selected State Climatic Divisions. Back to back.

Mean Annual Total Snowfall (in.), and graphs of Mean Monthly Total Snowfall for Selected Stations. Back to back.

Mean Daily Maximum Temperature (° F.) January.

Mean Daily Maximum Temperature (° F.) July.

Mean Daily Minimum Temperature (° F.) January.

Mean Daily Minimum Temperature (° F.) July.

Mean Percentage of Possible Sunshine, Monthly and Annual.

Mean Sky Cover, Sunrise to Sunset, Monthly and Annual.

Mean Total Precipitation (in.), Monthly, January-August (By State climatic divisions).

Mean Total Precipitation (in.), September-December, and Division Names (By State climatic divisions).

Pan and Lake Evaporation.

Mean Relative Humidity (percent), Monthly and Annual.

Mean Annual Number of Days Maximum Temperature 90° F. and Above.

Mean Annual Number of Days Minimum Temperature 32° F. and Below.

Mean Date of Last 32° F. Temperature in Spring.

Mean Date of First 32° F. Temperature in Autumn.

Mean Length of Freeze Free Period (Days).

Standard Deviation of Monthly Average Temperature (° F.), (one sheet for each month). These are currently out of print but are being reprinted.

## Publications by Weather Bureau Authors (Continued)

- M. Lefkowitz, E. E. Schlatter, A. F. Korte, and A. Caporaso, Studies in the Field of Approach Visibility Measurement and Instrumentation, Federal Aviation Agency, Systems Research and Development, Experimentation Div., Atlantic City, N.J., Apr. 1963.
- P. Light, "Snowmelt Floods, Spring 1959, Upper Mississippi Watershed," *Proceedings* of Commission of Surface Waters, General Assembly, IUGG, Helsinki, 1960, Association of Scientific Hydrology, Publication No. 51, 1960, pp. 455–467.
- R. A. McCormick, "Air Pollution—Some Meteorological Aspects," Weatherwise, vol. 15, No. 6, Dec. 1962, pp. 229–237, 263.
- J. K. McGuire (with F. Field), "The Need for More Meaningful Meteorological and Air Quality Observations for Mortality and Morbidity Studies," pp. 277-290 of Proceedings of Symposium "The Air Over Cities", Cincinnati, Ohio, Nov. 1961, R. A. Taft Sanitary Engineering Center, Technical Report A62-5, Oct. 1962.
- E. H. Markee, Jr., "A Summary of Public Health Service Sponsored Research Accomplishments on the Meteorological Aspects of Urban Air Pollution in the U.S.A.," *Proceedings* of Clean Air Conference, Sydney, Australia, Feb. 1962, vol. 1, p. 10a.1.
- J. M. Mitchell, Jr., "The Thermal Climate of Cities," pp. 131-145 of Proceedings of Symposium "The Air Over Cities", Cincinnati, Ohio, Nov. 1961, R. A. Taft Sanitary Engineering Center, Technical Report A62-5, Oct. 1962.
- J. Namias, "Factors in the Initiation, Perpetuation, and Termination of Drought," Proceedings of Commission of Surface Waters, General Assembly, IUGG, Helsinki, 1960, Association of Scientific Hydrology, Publication No. 51, 1960, pp. 81–94.
- J. Namias, "Research on Long-Range Forecasting," WMO Bulletin, vol. XI, No. 3, July 1962, pp. 128–131.
- R. M. Ogden, "The Santa Ana Winds of Southern California," Camping Trails, vol. 1, No. 6, Oct. 1962.
- F. Ostapoff, "On the Frictionally Induced Transverse Circulation of the Antarctic Circumpolar Current," Deutsche Hydrographische Zeitschrift, Jahr. 5, Heft 2, 1962, pp. 103–113.
- F. Ostapoff, "Review of Equatorial Waters and Currents at 150° W. in July-August 1952 by R. B. Montgomery and E. D. Stroup, The Johns Hopkins Press, Baltimore, 1962, 68 pp.," Transactions, American Geophysical Union, vol. 44, No. 1, Mar. 1963, p. 150.
- H. D. Parry, "Review of Handbook of Meteorological Instruments, Part I: Instruments for Surface Observations, Great Britain Meteorological Office, London, 1961, 458 pp.," Bulletin of the American Meteorological Society, vol. 44, No. 2, Feb. 1963, p. 102.
- F. D. Paxton, "The Sherwood Head Project," Bulletin of the American Meteorological Society, vol. 43, No. 12, Dec. 1962, pp. 650-653.

- J. C. Purvis, "Monthly Precipitation Totals in the Columbia, South Carolina Area," Agriculture Committee, Columbia Chamber of Commerce, Columbia, S.C., Apr. 1963.
- P. K. Rao and J. S. Winston, "An Investigation of Some Synoptic Capabilities of Atmospheric 'Window' Measurements from Satellite TIROS II," Journal of Applied Meteorology, vol. 2, No. 1, Feb. 1963, pp. 12–23.
- M. J. Rubin, "Atmospheric Advection and the Antarctic Mass and Heat Budget," pp. 149-159 of "Antarctic Research—The M. F. Maury Memorial Symposium," Geophysical Monograph No. 7, American Geophysical Union, 1962.
- M. J. Rubin (with M. B. Giovinetto), "Snow Accumulation in Central West Antarctica as Related to Atmospheric and Topographic Factors," Journal of Geophysical Research, vol. 67, No. 13, Dec. 1962, pp. 5163-5170.
- S. F. Singer, "Forest Fire Detection from Satellites," Journal of Forestry, vol. 60, No. 12, Dec. 1962, pp. 860–862.
- S. F. Singer, "Review of A Review of Space Research, National Academy of Sciences-National Research Council Publication 1079, 1962, 546 pp.," Transactions, American Geophysical Union, vol. 44, No. 1, Mar. 1963, p. 146.
- S. F. Singer, "Space Stations for the Weatherman," Electronic Age (RCA), vol. 21, No. 4, Autumn 1962, pp. 12-14.
- J. C. Thompson, "Weather Decision Making—The Pay-Off," Bulletin of the American Meteorological Society, vol. 44, No. 2, Feb. 1963, pp. 75-78.
- S. A. Twomey, "The Determination of Aerosol Size Distributions from Diffusional Decay Measurements," Journal of the Franklin Institute, vol. 275, No. 2, Feb. 1963, pp. 121–138.
- S. A. Twomey, "Equations for the Decay by Diffusion of Particles in an Aerosol Flowing Through Circular and Rectangular Channels," *Bulletin de l'Observatoire du Puy de Dome*, Serie 2, vol. 10, No. 4, Oct.–Dec. 1962, pp. 173–180.
- S. A. Twomey, "On the Numerical Solution of Fredholm Integral Equations of the First Kind by the Inventory of the Linear System Produced by Quadrature," Journal of the Association for Computing Machinery, vol. 8, No. 1, Jan. 1963, pp. 97–101.
- P. J. Waite (with J. L. Schmidt), "Summaries of Wet-Bulb Temperature and Wet-Bulb Depression for Grain Drier Design," Transactions of the American Society of Agricultural Engineers, vol. 5, No. 2, 1962, pp. 186–189.
- L. L. Weiss, "Securing More Nearly True Precipitation Measurements," Journal of the Hydraulics Division, Proceedings of the American Society of Civil Engineers, vol. 89, No. HY2, Mar. 1963, Part 1, pp. 11–18.
- H. Wexler, "Dedication to Matthew Fontaine Maury," pp. 1-3 of "Antarctic Research—The M. F. Maury Memorial Symposium," Geophysical Monograph No. 7, American Geophysical Union, 1962.